

Annual Report

Production Sector

OMB Control No. 2060-0328
Expires 07/31/2011



Company Information

Company Name: **Energen Resources**

Gas STAR Contact: **Andy Cobb**

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Company Information Updated: **No**

Activities Reported

BMP1: No BMP2: No BMP3: Yes

Total Methane Emission Reductions Reported This Year: **32,817**

Previous Years' Activities Reported: **No**

Period Covered by Report

From: **01/01/2009**

To: **12/31/2009**

☒ I hereby certify the accuracy of the data contained in this report.

Additional Comments

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

SAn Juan Basin

B. Description of PRO

Please specify the technology or practice that was implemented:

Artificial lift: install smart lift automated systems on gas wells (10 years)

Please describe how your company implemented this PRO:

Fluid in well bore and reservoir pressure have to be as such where this process optimization can occur. Additionally process knowledge by operations staff on each well is key.

C. Level of Implementation

Other: The plunger unit was already in place; operations personnel responsible for this process optimization on 6 units within area of responsibility.

D. Methane Emissions Reduction

Methane Emissions Reduction: **19,541 Mcf/year**

Basis for the emissions reduction estimate: **Other**

Wells venting 3 minute every 2 hours. 4000' 2/38 tubing @ 180 psi and 100degrees. volume in tubing= 86.8cf. $180 * 86.8 * 520 / 560 / 14.7$ 987 scf/cycle. 12 c/d=11,843 scf/well.

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

☒ One-year

☐ Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): **\$ 100**

G. Total Value of Gas Saved

Value of Gas Saved: **\$ 136,787**

\$ / Mcf used: **\$ 7.00**

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: **Education and buy-in by other production operators within the organization will be the key to additional implementation of this PRO throughout the organization.**

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reduction in Gas PRO (Mcf/yr)	Estimated Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

San Juan Basin

B. Description of PRO

Please specify the technology or practice that was implemented:

Install electric motors (10 years)

Please describe how your company implemented this PRO:

AS electricity becomes available in rural areas of the San Juan Basin ERC replaces natural gas fired primary drivers on pumping units with electric motors.

C. Level of Implementation

Number of units installed: 34 units

D. Methane Emissions Reduction

Methane Emissions Reduction: **13,276 Mcf/year**

Basis for the emissions reduction estimate: **Calculation using manufacturer specifications**

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year ☒ Multi-year

If Multi-year:

- ☒ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): **\$ 5,500**

G. Total Value of Gas Saved

Value of Gas Saved: **\$ 92,932**

\$ / Mcf used: **\$ 7.00**

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: **Will continue to evaluate the economics as electricity is provided to these rural areas in the San Juan**

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions as Feasible (Mcf/Yr)	Estimated Reductions as Feasible Value of Gas Saved (\$)

* Total cost of practice/activity (including equipment and labor)

Additional Comments

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Additional Accomplishments